

**FIXED OPERATING FREQUENCY INVERTER FOR COLD CATHODE  
FLUORESCENT LAMP HAVING STRIKE FREQUENCY ADJUSTED BY  
VOLTAGE TO CURRENT PHASE RELATIONSHIP**

Abstract of the Disclosure

- 5           A method of driving a lamp that uses a DC to AC inverter that is connected to a primary winding of a transformer is disclosed. The inverter frequency is variable, and in one embodiment, may be controlled by a voltage controlled oscillator. Circuitry is included that monitors the phase relationship between a voltage across a secondary of the transformer and a current through the primary of the transformer.
- 10   The circuitry monitors the phase relationship and adjusts the inverter frequency, such as by adjusting voltage controlled oscillator, so that the phase relationship is maintained at a predetermined relationship.